

### REMARKS

The last Office Action has been carefully considered.

It is noted that the drawings received on 07/26/2007 were objected to.

The Abstract of the Disclosure was objected to.

The Background of the Invention and Claim 15 were objected to as well.

Claims 8, 10, 11 and 15 were rejected under 35 USC 101.

In connection with the Examiner's objections and rejections, applicants submitted herewith a copy of the drawings with the proposed corrections, particularly with labels of the boxes on the drawings.

The Examiner is respectfully requested to approve the drawings, whereupon applicant will submit the formal drawings in due time.

In connection with the Examiner's further objections and rejections, applicant provided a new Abstract of the Disclosure.

The background of the invention has been corrected as suggested.

Claim 15 has been corrected as well.

In connection with the Examiner's rejection of the Claims under 35 USC 101, applicant amended Claim 8, the broadest claim on file. Claim 8 defines a method for correcting a sensor system, which includes corresponding steps with the final step of determining an angle to be measured from particular corrected pairs of the measured values using an algorithm. When the angle is determined in accordance with the method of the present invention as defined in Claim 8, the correction of the sensor system is thereby provided.

Claim 8 has been amended correspondingly to provide the concrete, useful and tangible result.

It is believed that Claim 8 should be considered as being in allowable condition.

As for the other claims, these claims depend on Claim 8 and share its allowable features, and therefore it should be allowed as well.

Reconsideration and allowance of the present application is most respectfully requested.

Should the Examiner require or consider it advisable that the specification, claims and/or drawings be further amended or corrected in formal respects in order to place this case in condition for final allowance, then it is respectfully requested that such amendments or corrections be carried out by Examiner's Amendment, and the case be passed to issue. Alternatively, should the Examiner feel that a personal discussion might be helpful in advancing this case to allowance, he is invited to telephone the undersigned (at 631-549-4700).

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'MJS', with a long horizontal stroke extending to the right.

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